

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (previously presented): A composition for an infant formula comprising a protein source which has a low threonine content and comprising:

a whey component selected from the group consisting of acid whey protein and sweet whey protein from which caseino-glyco-macropptide has been removed;

free arginine;

free histidine; and

a component selected from the group consisting of free tyrosine, free tryptophan, tryptophan rich milk protein and mixtures thereof.

Claim 2 (previously presented): A composition according to claim 1, wherein the protein source comprises less than about 8g threonine/16g nitrogen.

Claim 3 (previously presented): A composition according to claim 1 which comprises from about 9.0 to about 10.0 w/w% of protein.

Claim 4 (previously presented): A composition according to claim 1, wherein the protein source comprises casein protein.

Claim 5 (previously presented): A composition according to claim 4, wherein the protein source comprises about 6% to about 50% by weight of whey protein and about 20% to about 40% casein protein.

Claim 6 (previously presented): A composition according to claim 1, wherein the protein source is substantially free of lactose.

Claim 7 (previously presented): A composition according to claim 1, wherein the protein source has less than 10% blocked lysine.

Claim 8 (previously presented): A composition according to claim 1, wherein the protein source comprises hydrolyzed protein.

Claim 9 (previously presented): A composition according to claim 8, wherein the protein source comprises about 98.5% to about 97% by weight of hydrolyzed sweet whey protein and about 1.5% to about 3% by weight of arginine, tyrosine, and histidine.

Claim 10 (currently amended): A composition according to claim 1 which comprises:

about 0.1% to about 3% by weight of free arginine;

about 0.2% to about 1% by weight of a component selected from the group consisting of free tryptophan and free tyrosine; and

about 0.1 to about 1.5% by weight of histidine.

Claim 11 (previously presented): A composition according to claim 1 which comprises a lipid source and a carbohydrate source.

Claim 12 (currently amended): A composition according to claim 11, wherein the lipid source includes comprises medium chain triglycerides.

Claim 13 (previously presented): A composition according to claim 11, wherein the carbohydrate source includes lactose.

Claim 14 (previously presented): An infant formula comprising a protein source having a low threonine content and comprising:

a whey component selected from the group consisting of acid whey protein and sweet whey protein from which caseino-glyco-macopeptide has been removed;

a component selected from the group consisting of free tyrosine, free tryptophan, tryptophan rich milk protein and mixtures thereof;

up to about 1.5% by weight histidine; and
about 0.1% to about 2% by weight arginine.

Claim 15 (previously presented): An infant formula according to claim 14, wherein the protein source comprises about 0.2% to about 0.4% by weight histidine, about 1% to about 2% by weight arginine, and about 0.2% to about 0.4% by weight tryptophan.

Claim 16 (previously presented): An infant formula according to claim 14, wherein the protein source comprises about 1% to about 1.5% by weight histidine, about 0.6% to about 0.9% by weight arginine, and about 0.3% to about 0.5% by weight tyrosine.

Claim 17 (previously presented): An infant formula according to claim 14, wherein the protein source comprises about 0.2% to about 0.4% by weight histidine, about 1% to about 2% by weight arginine, and about 0.2% to about 0.4% by weight tyrosine.

Claim 18 (previously presented): A method of producing an infant formula composition comprising the steps of:

blending whey protein and casein protein together with free arginine, free histidine, and a component selected from the group consisting of free tyrosine, free tryptophan, tryptophan rich milk protein and mixtures thereof, and homogenizing the blended mixture.

Claim 19 (previously presented): A method of providing a medicament to an infant comprising the step of administering to an infant a formula comprising:

a protein source which has a low threonine content and comprising a whey component selected from the group consisting of acid whey protein and sweet whey protein from which caseino-glyco-macopeptide has been removed, free arginine, free histidine, a component selected from the group consisting of free tyrosine, free tryptophan, tryptophan rich milk protein and mixtures thereof, and a medicament.

Claim 20 (previously presented): A method of providing nutrition to an infant comprising the step of administering to an infant a formula comprising:

a protein source which has a low threonine content and comprising a whey component selected from the group consisting of acid whey protein and sweet whey protein from which caseino-glyco-maclopeptide has been removed, free arginine, free histidine, a component selected from the group consisting of free tyrosine, free tryptophan, tryptophan rich milk protein and mixtures thereof, and a nutritional agent.

Claim 21 (previously presented): An infant formula according to claim 14, wherein the protein source comprises up to about 0.1% by weight histidine, about 0.1% to about 0.3% by weight arginine, and about 0.3 to about 0.5% by weight tryptophan.

Claim 22 (previously presented): A method according to claim 18, wherein the infant formula comprises less than about 8g threonine/16g nitrogen.

Claim 23 (canceled)

Claim 24 (previously presented): A method according to claim 18, wherein the infant formula is substantially free of lactose.

Claim 25 (previously presented): A method according to claim 18, wherein the infant formula comprises:

about 0.1% to about 3% by weight of arginine;

about 0.2% to about 1% by weight of a component selected from the group consisting of tryptophan and tyrosine; and

about 0.1 to about 1.5% by weight of histidine.

Claim 26 (previously presented): A method according to claim 18, wherein the infant formula comprises a lipid source and a carbohydrate source.

Claim 27 (previously presented): A method according to claim 19, wherein the protein source comprises less than about 8g threonine/16g nitrogen.

Claim 28 (previously presented): A method according to claim 19, wherein the protein source comprises casein protein.

Claim 29 (previously presented): A method according to claim 19, wherein the protein source is substantially free of lactose.

Claim 30 (previously presented): A method according to claim 19, wherein the protein source comprises:

about 0.1% to about 3% by weight of arginine;

about 0.2% to about 1% by weight of a component selected from the group consisting of tryptophan and tyrosine; and

about 0.1 to about 1.5% by weight of histidine.

Claim 31 (previously presented): A method according to claim 19, wherein the formula comprises a lipid source and a carbohydrate source.

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Claim 32 (previously presented): A method according to claim 20, wherein the protein source comprises casein protein.

Claim 33 (previously presented): A method according to claim 20, wherein the protein source is substantially free of lactose.

Claim 34 (previously presented): A method according to claim 20, wherein the protein source comprises:

about 0.1% to about 3% by weight of arginine;

about 0.2% to about 1% by weight of a component selected from the group consisting of tryptophan and tyrosine; and

about 0.1 to about 1.5% by weight of histidine.

Claim 35 (previously presented): A method according to claim 20, wherein the formula comprises a lipid source and a carbohydrate source.

Claim 36 (previously presented): A method according to claim 20, wherein the protein source comprises about 0.2% to about 0.4% by weight histidine, about 1% to about 2% by weight arginine, and about 0.2% to about 0.4% by weight tryptophan.

Claim 37 (previously presented): A method according to claim 20, wherein the protein source comprises about 1% to about 1.5% by weight histidine, about 0.6% to about 0.9% by weight arginine, and about 0.3% to about 0.5% by weight tyrosine.

Claim 38 (previously presented): A method according to claim 20, wherein the protein source comprises about 0.2% to about 0.4% by weight histidine, about 1% to about 2% by weight arginine, and about 0.2% to about 0.4% by weight tyrosine.

Claim 39 (previously presented): A method according to claim 20, wherein the protein source comprises up to about 0.1% by weight histidine, about 0.1% to about 0.3% by weight arginine, and about 0.3 to about 0.5% by weight tryptophan.

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